**AirBnB Price Prediction Challenge**

## Introduction

The aim of this competition is to predict the price of AirBnB listings in major U.S. cities.

Instructions

1. Using the language of your choice, build a model with the training data (train.csv) that predicts the variable "log\_price".

2. Run the model on the test dataset (test.csv) to generate predictions in the format found in the sample submission (sample\_submission.csv)

## Evaluation

The evaluation metric for the competition is the Root Mean Squared Error (RMSE) score.

## Data

The training data for the competition consist of the following columns:

1. id                      :          Record identifier  
2. log\_price         :          log(price) [The logarithm used is natural log]  
3. .....                    :          25 features for the listing

There are three files provided for this competition:

1. train.csv                              .    :          Training data  
2. test.csv                               .     :          Test data  
3. sample\_submission.csv        :          Sample submission file

## Submission

You need to submit 3 files:

1. [your name]\_submission.csv
2. [your name]\_code
3. [your name]\_process.doc/pdf

The submission file ([your name]\_submission.csv)for the competition should consist of two columns:

1. id                      :          Record identifier for the test observation  
2. log\_price         :          Prediction for the log(price) of the listing

The file ([your name]\_process.doc/pdf) should briefly describe your solution.

Please make sure the submission file is in this format or else the submission will be disqualified.

Also, send a document along with your code describing your process.